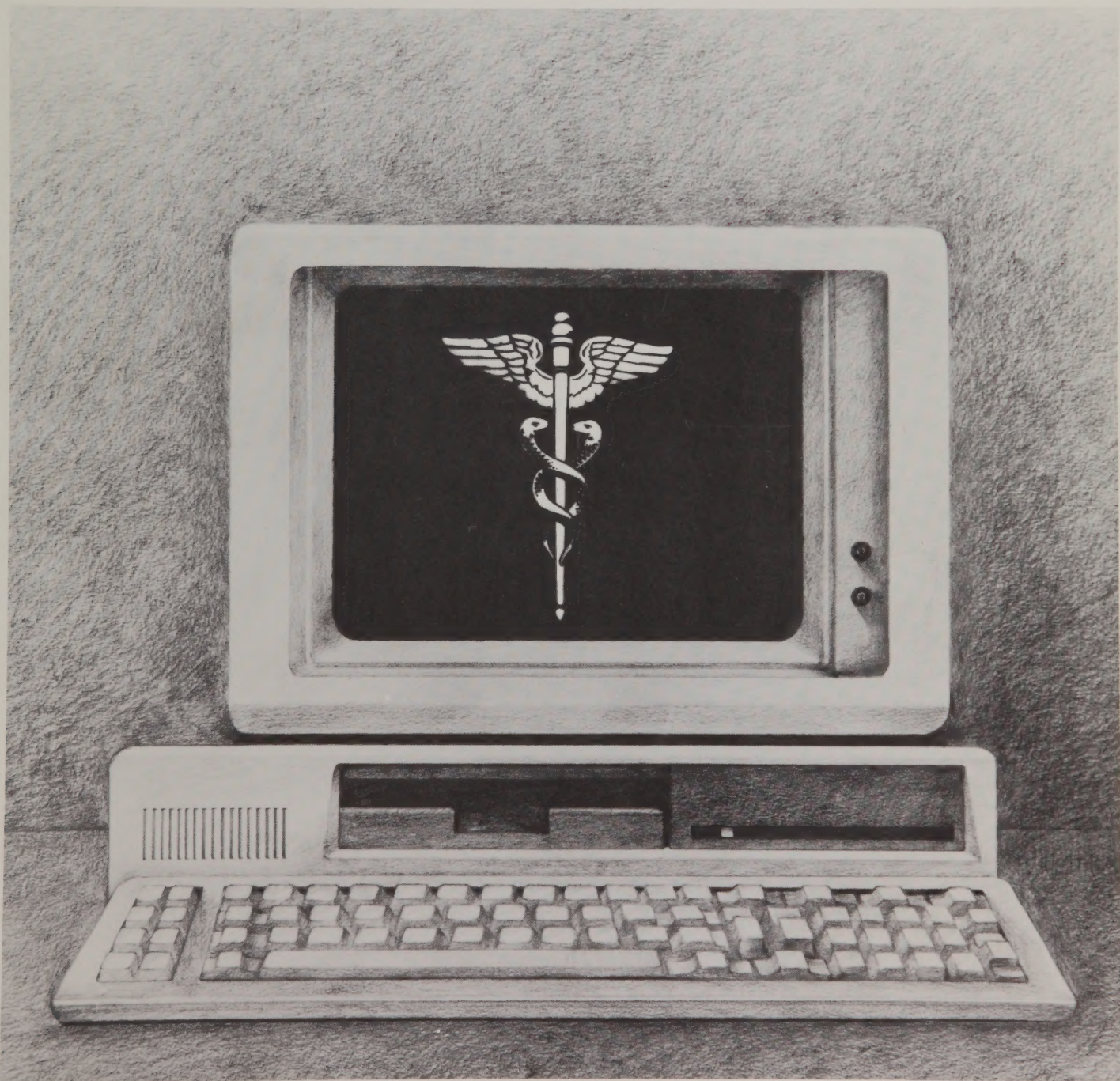


MEDLARS

The World of Medicine At Your Fingertips



U.S. DEPARTMENT OF HEALTH & HUMAN SERVICES
Public Health Service • National Institutes of Health

NATIONAL LIBRARY OF MEDICINE

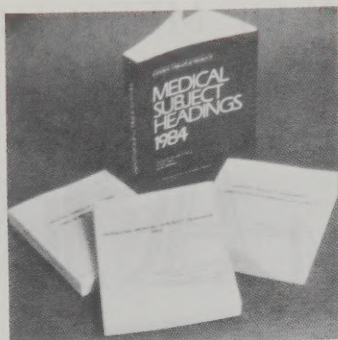
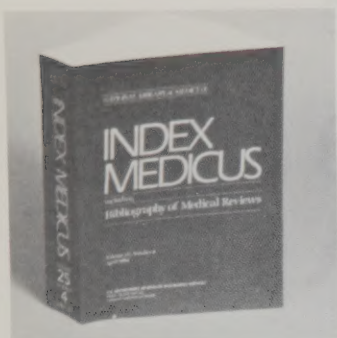
MEDLARS

The World of Medicine
At Your Fingertips

U.S. DEPARTMENT OF HEALTH & HUMAN SERVICES
Public Health Service • National Institutes of Health

October 1986

The World of Medicine At Your Fingertips



MEDLARS® access gives you MEDLINE, the world's leading bibliographic database of medical information, covering nearly twenty years and over 3,000 journals. The most sought-after database in medicine, it contains the information found in the publications *Index Medicus*, *International Nursing Index*, and *Index to Dental Literature* and is available on many online systems.

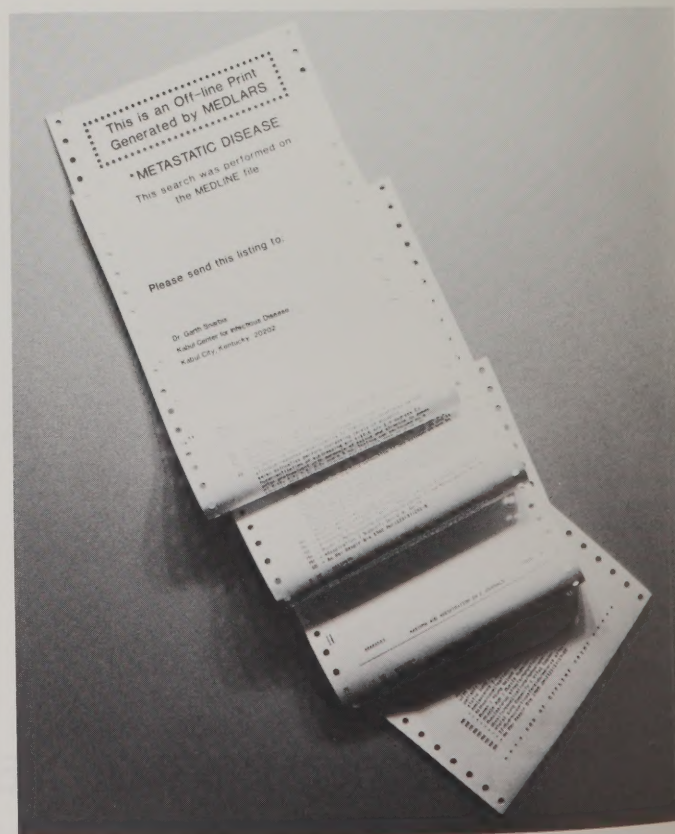
Each article in MEDLINE is carefully analyzed and indexed by the National Library of Medicine (NLM) using MeSH® (Medical Subject Headings), NLM's 15,000 term medical language thesaurus.

In addition to MEDLINE, as a MEDLARS user you have access to specialized databases in the fields of Health Administration, Toxicology, Cancer, Population Studies, Medical Ethics and more. A complete list of database descriptions appears at the back of this brochure.

Time Saving, Efficient Service

MEDLARS is available virtually 24-hours-a-day and requires no initial sign-up fee and no monthly minimums. You pay only for the actual costs of searching the databases. For example, a five-minute search on MEDLINE may cost \$2.00 including Telecommunications charges (based on an average cost of \$22/hour for MEDLINE during prime time).

You can print citations on your printer or have them printed overnight at the National Library of Medicine and mailed to you the next day. These "offline prints" cost you \$0.18 per page for most databases. A typical page contains eight or nine citations without abstracts and two or three citations with abstracts.

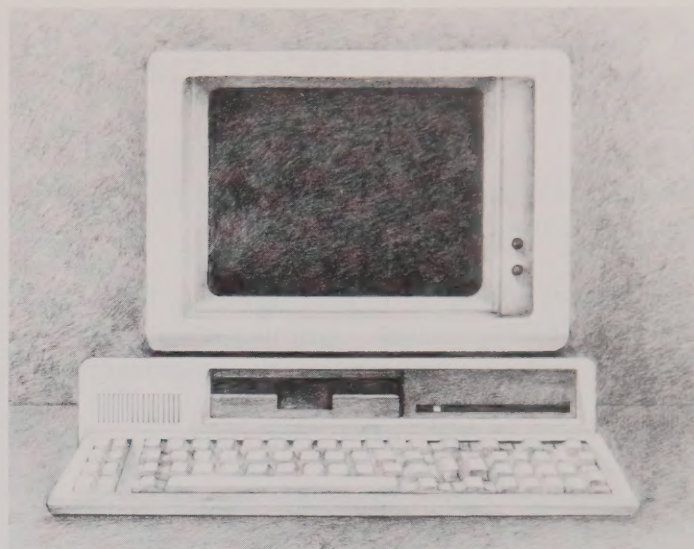


Average cost of most MEDLARS databases is \$15/hour non-prime time; \$22/hour prime time. Offline prints are \$0.18 per page. Fees for the toxicology databases, which include royalties, range between \$48 and \$95/hour, with offline prints charges between \$0.41 and \$0.66 per page.

Connect In Seconds

The equipment you need to access the MEDLARS system is rapidly becoming standard in almost every hospital, medical library, clinic and doctor's office. All you need is a terminal or microcomputer with telecommunications software, a modem, a telephone line and a printer. Nearly all equipment brands currently available can be used.

Once you have applied for and received a MEDLARS User ID Code, it's as easy as dialing a local phone number and making a connection. Within seconds, you are searching the databases.



The NLM Technical Bulletin

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No. 195

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Appendix A - Map Of Online Centers

Appendix B - Updated SDI Form

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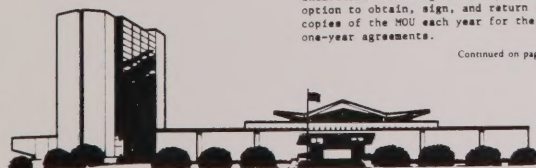
Revision Of The Domestic MEDLARS Online Memorandum Of Understanding (MOU)

Lois Ann Colasanni
Associate Director for Library Operations,
NLM

In June 1984, the National Library of Medicine revised its domestic Memorandum of Understanding (MOU). Copies of the revised MOU were sent to all domestic MEDLARS® users to be signed and returned to NLM.

Several institutions indicated to NLM that they were unable to sign the MOU because it is an open-ended agreement and does not have a one-year limit. In accordance with the section in the MOU providing a mechanism for revising the MOU without the necessity of each user signing the new version, NLM has revised the MOU to permit an institution or individual to select a one-year agreement. It will be the responsibility of the institution or individual selecting the one year option to obtain, sign, and return two copies of the MOU each year for these one-year agreements.

Continued on page 7



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES • Public Health Service • National Institutes of Health
National Library of Medicine

User Support For Every Need

The National Library of Medicine is dedicated to full support for all system users. Our services include:

One-day "Health Professional Training Courses" run by NLM-taught trainers throughout the country.

Full three- to five-day MEDLINE Initial Training Course taught around the country by online trainers free-of-charge.

Online NEWS for latest system information.

Monthly *NLM Technical Bulletin* mailed to all users at no additional cost.

Toll-free telephone number connects you to system specialists five days a week.

Variety of user tools and manuals available for purchase.

Handy pocket cards with search hints for MEDLINE and selected databases.

Auto SDI Service for automatic monthly updates on subjects of your choice.

Searching The MEDLINE Databases

The following case has been adapted from a reported case in NLM's files:

A resident at a hospital in the midwest is faced with a sudden emergency. Lightning has struck a baseball field and three young boys are brought to the hospital in different stages of injury. The resident turns to MEDLINE.

She begins her search using the MeSH Main Heading LIGHTNING, and precedes it with an asterisk to indicate that she wants only articles in which lightning is the main point.

WELCOME TO THE NATIONAL LIBRARY OF MEDICINE'S ELHILL
RETRIEVAL SYSTEM. YOU ARE NOW CONNECTED TO THE MEDLINE
(1984 FORWARD) FILE.

SS 1 /C?
USER:
*lightning

PROG:
SS (1) PSTG (24)

SS 2 /C?
USER:
1 and child

PROG:
SS (2) PSTG (3)

SS 3 /C?
USER:
1 and adolescence

PROG:
SS (3) PSTG (4)

SS 4 /C?
USER:
2 or 3

PROG:
SS (4) PSTG (5)

SS 5 /C?
USER:
4 and eng (1a)

PROG:
SS (5) PSTG (5)

She refines it further by specifying articles on CHILD (ages 6-12) and ADOLESCENCE (13-18) and only in ENGLISH. Five articles are retrieved from the current file. She prints out the citations and the abstracts.

The titles and abstracts give her some basic information and she decides to examine two articles further. These she finds in the hospital library.

Less than an hour after the boys' arrival, she is ready to begin treatment.

A term entered with no qualifier is always searched as a MeSH Heading. Free-text searching can be done by entering (TW) -- for Text Word -- after any single word.

There are several ways to combine terms and previous search statements. The age groups could have been retrieved with the single statement "1 and child or 1 and adolescence."

SS 6 /C?

USER:

prt ar

PROG:

1

UI - 85214362

AU - Stanley LD

AU - Suss RA

TI - Intracerebral hematoma secondary to lightning stroke: case report and review of the literature.

AB - A young boy sustained a lightning stroke to his head. He was rendered immediately unconscious and hemiplegic. Computed tomography revealed three discrete basal ganglia hematomas. This patient's management is discussed, and a review of lightning injuries to the central nervous system is presented.

SO - Neurosurgery 1985 May;16(5):686-8

2

UI - 85105711

AU - Dollinger SJ

AU - O'Donnell JP

AU - Staley AA

TI - Lightning-strike disaster: effects on children's fears and worries.

SO - J Consult Clin Psychol 1984 Dec;52(6):1028-38

3

UI - 85083361

AU - Amy BW

AU - McManus WF

AU - Goodwin CW Jr

AU - Pruitt BA Jr

TI - Lightning injury with survival in five patients.

AB - Of a total of 4,153 admissions, five patients with lightning-associated injuries were admitted to a burn center during a 15-year period, 1969 through 1983. In these patients, the burned portion of the total body surface ranged from 3% to 29% (average, 16%), and all survived. The associated injuries and complications in these lightning-strike victims and a review of treatment guidelines are presented.

SO - JAMA 1985 Jan 11;253(2):243-5

4

UI - 85047904

AU - Moulson AM

TI - Blast injury of the lungs due to lightning.

SO - Br Med J [Clin Res] 1984 Nov 10;289(6454):1270-1

5

UI - 84228693

AU - Campo RV

AU - Lewis RS

TI - Lightning-induced macular hole.

SO - Am J Ophthalmol 1984 Jun;97(6):792-4

SS 6 /C?

USER:

save struck

PROG:

SEARCH SET FROM SS1 FORWARD SAVED AS 'STRUCK'.

SS 6 /C?

USER:

A variety of print formats are available. PRT AR retrieves the Unique Identifier, Authors, Title of the article, Abstract and Source.

Abstracts are entered for most journals when an abstract appears in the journal itself.

There are several ways of saving a search strategy. This method is an easy means of executing the same search through several backfiles without having to re-key the entire strategy. A search saved in this way will remain in the user's profile until it is deleted by the user.

GRATEFUL MED

Searching Becomes Even Easier

Developed For Health Professionals

- Screen format allows offline search formulation and automatic conversion to proper searching format.
- Simple, direct access to the NLM computer with automatic dialing and login.
- Conducts search online and automatically downloads search results.
- Searches MEDLINE, CATLINE and others to come.
- No formal training required.
- Expert search mode also available for all MEDLARS ELHILL databases and PDQ.
- Downloading of updates available with version 2.

Current Hardware/Software Requirements

- IBM PC or IBM-compatible with at least 256K memory.
- At least one double-sided, double-density disk drive.
- DOS (Version 2.0 or higher).
- Hayes Smartmodem or completely compatible modem.

INPUT YOUR SEARCH

FILL IN THE APPLICABLE LINES, E.G., TYPE AUTHOR'S NAME IN THE AUTHOR LINE. HIT **ENTER TO GO TO NEXT LINE. FOR HELP HIT **HOME**. TO START OVER HIT **ESC****

AUTHOR/NAME

TITLE WORDS

SUBJECT WORDS

2ND SUBJECT

3RD SUBJECT

4TH SUBJECT

ENGLISH ONLY

REVIEW ONLY

JOURNAL ABBREV

To order GRATEFUL MED:

The GRATEFUL MED package (master disk, user guide, MEDLARS application packet, general information) can be ordered from:

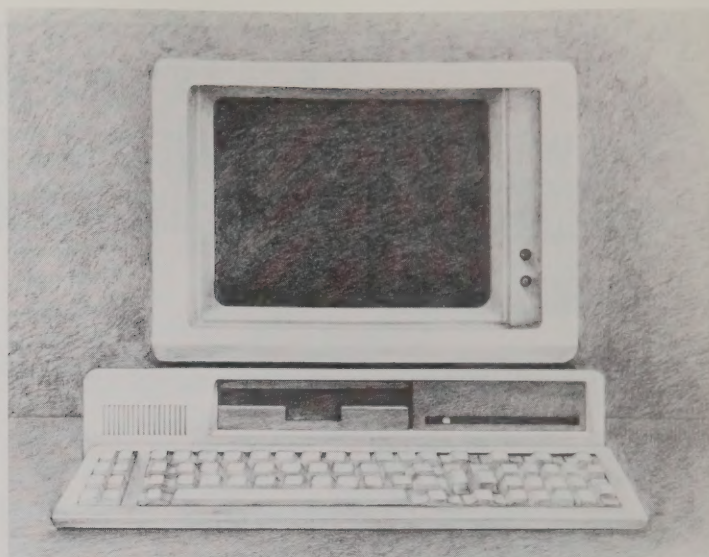
National Technical
Information Service
U.S. Department of Commerce
Springfield, VA 22161

For the most current price and

order number information, contact the MEDLARS Management Section at the address or phone number shown on the back of this brochure.

GRATEFUL MED can be used with any existing MEDLARS User ID code. Application forms for new codes are included in each GM package.

The MEDLARS Databases



Name: **AVLINE** (AudioVisuals onLINE)

Subject: Bibliographic citations to audiovisual material in clinical medicine, including a wide range of subjects from Anatomy to Zoonoses.

Years of coverage: All audiovisuals cataloged by NLM since 1975.

Languages: Nearly all citations refer to English language items.

Updates: Weekly, with approximately 100 records added per month.

Media types: Motion pictures, videocassettes, slide/cassette and filmstrip/cassette programs. Includes bibliographic information for some of the archival motion pictures which form the basis of NLM's National Historical Film Program.

Selected citations in the database include abstracts. Procurement information available at the time of cataloging is included. Some pre-1982 records contain evaluative information.

Name: **BIOETHICSLINE** (Short form: **BIOETHICS**)

Subject: Bibliographic citations covering ethics and public policy in the fields of health care and biomedical research.

Years of coverage: 1973 to present.

Languages: Citations refer to English language items.

Updates: Bimonthly with approximately 1,800 to 2,000 added per year.

Document types: Journal articles, monographs, analytics (chapters in monographs), newspaper articles, court decisions, bills, laws, audiovisual materials, and unpublished documents.

This database includes citations to documents relating to euthanasia, organ donation and transplantation, the allocation of health care resources, patients' rights, codes of professional ethics, in vitro fertilization and other reproductive technologies, genetic intervention, abortion, behavior control and mental health therapies, and human experimentation. This file is produced by the Bioethics Information Retrieval Project of the Kennedy Institute of Ethics at Georgetown University.

Name: **CANCERLIT**

Subject: Bibliographic citations covering major cancer topics.

Languages: Most citations refer to English language items.

Updates: Monthly updates of approximately 5,000 citations.

Document types: Journal articles, government reports, meeting abstracts, monographs, theses, etc.

Since June 1983, most journal literature has been derived from MEDLINE. NCI contractors continue to screen approximately 200 additional foreign language journals as

well as published literature references. All records from non-MEDLINE sources contain abstracts. More than 60% of the MEDLINE-derived records include abstracts. Records added since January 1980 have been indexed using the NLM Medical Subject Headings (MeSH) and are retrievable using this controlled vocabulary. All records in the database are retrievable by free text searching.

Name: **CANCERPROJ**

Subject: Summaries of ongoing cancer research projects.

Years of coverage: Current projects and those terminated less than one year previously.

Updates: Quarterly updates. Each individual project is updated annually.

CANCERPROJ provides project descriptions, provided by cancer scientists in many countries, for both clinical and laboratory research that have potential significance in preventing, ameliorating or curing many types of cancer. In addition to brief descriptions of the objectives, experimental design, and preliminary results, addresses and telephone numbers for the principal investigators are given. Descriptions include federally and privately supported grants and contracts from the United States, countries represented by the Pan American Health Organization, several European countries, Canada, Australia and Japan. All records in the database are retrievable by free text searching or by using Keywords or MeSH Headings.

database is used to produce NLM's printed *Current Catalog*; its quarterly and annual cumulations; *Proofsheets*, issued weekly by the Medical Library Association; and the COM (Computer Output Microform) publications, the *NLM Catalog* and its *Supplement*. The database is also distributed in the USMARC format nationally and internationally.

Name: **CHEMLINE** (CHEMical dictionary onLINE)

Subject: Dictionary of chemicals.

Updates: Bimonthly.

This file is an online, interactive dictionary of chemical substances and provides a mechanism whereby information on over 650,000 chemical substances can be searched and retrieved online. The file contains CAS Registry Numbers; molecular formulas; CA chemical index nomenclature; generic and trivial names; and a locator designation which points to other files in the MEDLARS system and the TSCA inventory. In addition, where applicable, each record contains ring information including number of component ring systems, ring sizes, ring elemental compositions, and component line formulas. CHEMLINE assists the user in searching the other MEDLARS databases by providing synonyms and CAS Registry Numbers, the use of which can significantly increase retrieval in those databases. CHEMLINE can also be searched to locate classes of chemical substances. This database is created by NLM's Specialized Information Services under contract with Chemical Abstracts Service (CAS).

Name: **CATLINE** (CATalog onLINE)

Subject: Bibliographic records covering the biomedical sciences.

Years of coverage: Includes over 600,000 bibliographic records for virtually all of the cataloged titles in NLM's collection, ranging from fifteenth century imprints to the present.

Languages: Slightly more than half the citations refer to non-English items.

Updates: Weekly.

Document types: Primarily monographic, also includes records for serials, monographic series and audiovisual series.

This file provides immediate access to NLM's authoritative bibliographic data and is a useful source of information for ordering printed material, verifying interlibrary loan requests, and providing reference services. The CATLINE

Name: **CLINPROT**

Subject: Summaries of clinical investigations of new anti-cancer agents and treatment modalities.

Years of coverage: Includes current as well as some closed protocols going back to 1960.

Updates: Monthly.

CLINPROT, sponsored by the National Cancer Institute, has been designed to disseminate information to clinical oncologists engaged in the development and testing of clinical protocols. CLINPROT is also useful to other clinicians who wish to learn about new cancer treatment methods currently being evaluated in controlled clinical trials. It provides descriptions of the clinical trials, including patient entry criteria, the therapy regimen, and special study parameters. All the records in the database are retrievable by free text searching or by using a special list of more than 300 clinical protocol terms used to index CLINPROT.

Name: **DIRLINE** (DIRectory of Information Resources onLINE)

Subject: Directory of organizations providing information in specific subject areas.

Updates: Quarterly.

Sources of data: Library of Congress' National Referral Center (NRC) database and the National Health Information Clearinghouse (NHIC) database.

The NRC component of DIRLINE contains information on over 14,000 resource centers, including public and private organizations, with specialized information in particular fields. The NHIC component contains over 1,500 records for organizations providing information for the general public in various areas of health and disease. DIRLINE can be searched by organization name or by using Text Words or subject-related keywords to find the scope of coverage of a particular organization, or to find organizations in a particular subject area.

Name: **HEALTH** (HEALTH planning and administration)

Subject: Bibliographic citations covering non-clinical aspects of health care delivery.

Years of coverage: 1975 to present.

Languages: 90% of citations refer to English language items.

Updates: 2,500 to 3,000 records added monthly.

Document types: Primarily journal articles.

Subject areas emphasized include the administration and planning of health facilities, services and manpower, health insurance, health policy, and the aspects of financial management, regulation, personnel administration, quality assurance, and licensure and accreditation which apply to health care delivery. Citations are prepared by NLM, the American Hospital Association, and the National Health Planning Information Center (NHPIC). The *Hospital Literature Index* is produced from this file.

Name: **HISTLINE** (HISTory of medicine onLINE)

Subject: History of medicine and related sciences.

Languages: Most citations refer to English language items.

Document types: Monographs, journal articles, symposia, congresses.

The scope includes specialties, professions, individuals, institutions, drugs, and diseases of given chronological periods and geographical areas. Citations for this database are collected and processed in NLM's History of Medicine Division and are published annually in the Library's *Bibliography of the History of Medicine*. Data in this file comes from MEDLINE, CATLINE, journals in the history of medicine and the sciences, and recent publications in fields such as general history and classics.

Name: **MEDLINE**

Subject: Biomedicine

Years of coverage: 1966 to the present (included in a total of 7 files, each containing citations for one to five years).

Languages: 75% of citations refer to English language items.

Updates: Monthly, with 20,000 to 25,000 records added. The citations for each month's update are also searchable in a separate online database called SDILINE (Selected Dissemination of Information onLINE) for current awareness purposes.

Document types: Journal articles (some chapters and articles from selected monographs are found in earlier years).

This database includes citations to nearly 5,000,000 articles from approximately 3,200 biomedical journals published in the U.S. and abroad. If published with the article, an English abstract is frequently included with the online record. Citations are indexed using NLM's controlled vocabulary, MeSH (Medical Subject Headings). MEDLINE contains all citations published in *Index Medicus* and corresponds in part to the *International Nursing Index* and the *Index to Dental Literature*.

Name: **MESH VOCABULARY FILE**

Subject: Thesaurus of biomedical-related terms.

Years of coverage: Includes headings for the current year.

Updates: Supplementary chemical records added four times weekly, entire file updated annually.

This file is an online dictionary of Subject Headings (MeSH Headings), Subheadings, and Chemical Terms used in indexing and searching several of the online databases, including MEDLINE, CATLINE, AVLINE, POPLINE, BIOETHICS, CANCERLIT, CANCERPROJ, and HEALTH. Records for MeSH Headings include the scope of the heading, its position in the MeSH hierarchical structure, the date it became a heading, previous indexing notes, as well

as additional information useful in indexing and searching. Records for Subheadings include descriptions of their use as well as indications of which categories of MeSH Headings they may be used with. Chemical Term records contain information including systematic name, synonyms, pharmacologic action, CAS Registry Numbers and enzyme codes, for chemicals occurring in MEDLINE but which are not MeSH Headings.

Name: **NAME AUTHORITY FILE** (Short form: **NAF**)

Subject: Authority records for over 185,000 names, series, and uniform titles used as headings in bibliographic records resident in CATLINE and AVLINE.

These authority records may be used in the cataloging process to identify personal, conference, or corporate names, uniform titles, and series to be used as a heading in a bibliographic record. Name records provide detailed information on a name, the name's relationship to other names, as well as cross-references. The series authority records provide information on NLM's treatment of a series; cross-references and notes are also provided whenever applicable. Since 1981, all names used in cataloging have complied with *Anglo-American Cataloging Rules*, 2nd ed. (AACR2), and many existing names have been reevaluated to agree with AACR2 form. AACR2 names identified in the NAF comply with national standards and may be used in a bibliographic record.

Name: **POPLINE** (POPulation information onLINE)

Subject: Bibliographic citations covering population and family planning.

Years of coverage: Primarily 1970 to the present with selected citations dating back to 1886.

Languages: Most citations refer to English language items.

Updates: Monthly updates, with approximately 10,000 citations added each year.

Document types: Citations and abstracts to a variety of materials including journal articles, monographs, technical reports, and unpublished works.

This database includes citations relating to human fertility, contraceptive methods, community-based services, program evaluation, demography, censuses, vital statistics, and related health, law, and policy issues. It is produced in cooperation with the Population Information Program of The Johns Hopkins University, the Center for Population and Family Health of Columbia University, *Population Index*, Library/Information Program of Princeton Univer-

sity, and the Carolina Population Center of the University of North Carolina at Chapel Hill and funded primarily by the United States Agency for International Development and also by the National Institute of Child Health and Human Development.

Name: **PDQ** (Physician Data Query)

Subject: Databank of information on advances in cancer treatment and clinical trials.

Updates: Monthly.

Designed by the National Cancer Institute (NCI) for use by physicians, PDQ uses a series of menus to provide access to the following types of information:

- 1) Detailed summaries of all major tumor types including prognosis, staging, cellular classification, and state-of-the-art treatment options. An editorial board of 70 cancer experts maintains the currency and accuracy of this information.
- 2) The names, addresses, telephone numbers, medical specialties and affiliations of approximately 10,000 physicians who devote a major portion of their clinical practice to the treatment of cancer patients.
- 3) The names, addresses, contact persons, telephone numbers, and affiliations for approximately 2,000 organizations affiliated with societies that are associated with cancer treatment.
- 4) Detailed information on more than 1,000 active treatment protocols that are approved by NCI. The summaries give detailed information of the objectives, patient entry criteria, and treatment regimen, as well as names, addresses and phone numbers of the principal investigators.

Name: **RTECS** (Registry of Toxic Effects of Chemical Substances)

Subject: Databank on substances with toxic activity.

Updates: Quarterly.

This file currently contains toxicity data for more than 70,000 substances and is NLM's online version of the National Institute for Occupational Safety and Health's (NIOSH) annual compilation of substances with toxic activity. The information in RTECS is structured around chemical substances with toxic action, and thus provides a single source for basic toxicity information. Also included in RTECS are threshold limit values, air standards, NTP carcinogenic review information, status under various Federal regulations, compound classification and NIOSH Criteria Document availability. The file can be searched by chemical identifiers, type of effect, or other criteria.

Name: **SERLINE** (SERials onLINE)

Subject: Bibliographic records of biomedical serials.

Years of coverage: Includes records for all serials and numbered congresses which are currently in the NLM collection, in process or on order.

Updates: Approximately monthly.

This file also contains a limited number of serials not in the NLM collection. These titles are selectively indexed for MEDLINE, POPLINE, or HEALTH, but do not meet NLM's scope and coverage criteria, or are held by participating libraries in the NLM National Biomedical Serials Holdings Database (SERHOLD) and may be used for Inter-library Loan referral. Location symbols for approximately 150 resource and selected major biomedical libraries in the RML Network appear for about one-third of the titles in the file. SERLINE is used as the journal authority file to MEDLINE, POPLINE, and HEALTH for the serial titles which are indexed for these databases. The *List of Journals Indexed in Index Medicus*, and *Index of NLM Serial Titles*, and the *List of Serials Indexed for Online Users* are produced from SERLINE. *Health Sciences Serials* is a quarterly microfiche edition of the SERLINE file.

Name: **TOXLINE** (TOXicology information onLINE)

Subject: Bibliographic citations covering the toxicological, pharmacological, biochemical, and physiological effects of drugs and other chemicals.

Years of coverage: 1965 to the present (with selected pre-1965 citations) separated into three files (TOXLINE, TOXBACK76, and TOXBACK65).

Languages: Approximately two-thirds of the citations refer to English language items.

Updates: Monthly.

Document types: Journal articles, meeting papers, monographs, technical reports, etc.

Information in this database is derived from thirteen secondary sources. Citations on a given subject may be retrieved from TOXLINE by entering free text terms as they may appear in titles, keywords, and abstracts of articles. Chemical substances can be searched by entering their corresponding Chemical Abstracts Services (CAS) Registry Numbers, and/or synonyms, obtained from the CHEMLINE file.

The Toxicology Data Network

TOXNET (TOXicology data NETwork)

TOXNET is a computerized system of toxicologically-oriented databanks operated by the National Library of Medicine as part of the MEDLARS system. This mini-computer based system includes a variety of modules used by NLM to build and review records. For outside users, TOXNET offers a sophisticated search and retrieval package, which permits efficient access to valuable data, drawn from numerous sources, on toxic and otherwise hazardous chemicals. Currently operating on TOXNET are the following three files:

CCRIS (Chemical Carcinogenesis Research Information System)

CCRIS is a scientifically evaluated databank developed and maintained by the National Cancer Institute (NCI), con-

taining carcinogenicity, tumor promotion and mutagenicity test results. Data is derived from a set of core sources plus primary journals and special reports. Organized by chemical name, the file currently contains some 1,200 records.

HSDB (Hazardous Substances Data Bank)

HSDB is a scientifically reviewed and edited databank containing toxicological information enhanced with additional data related to the environment, emergency situations, and regulatory issues. Data is derived from a variety of documents including government documents and special reports. Organized by chemical name, the file contains over 4,100 records.

Regional Medical Libraries

There are seven Regional Medical Libraries, each responsible for a geographic area. These libraries coordinate activities within each region and handle requests for health literature not available locally, passing on to NLM requests they cannot fill. Three

of these libraries have been designated Online Centers, conducting Initial and Health Professional Online Training Classes and coordinating other online services within each "mega-region".

Region 1 Greater Northeastern Regional Medical Library Program
The New York Academy of Medicine
2 East 103rd Street
New York, New York 10029
(212) 876-8763

Region 2 Southeastern/Atlantic Regional Medical Library Services
University of Maryland
Health Sciences Library
111 South Greene Street
Baltimore, Maryland 21201
(301) 528-2855

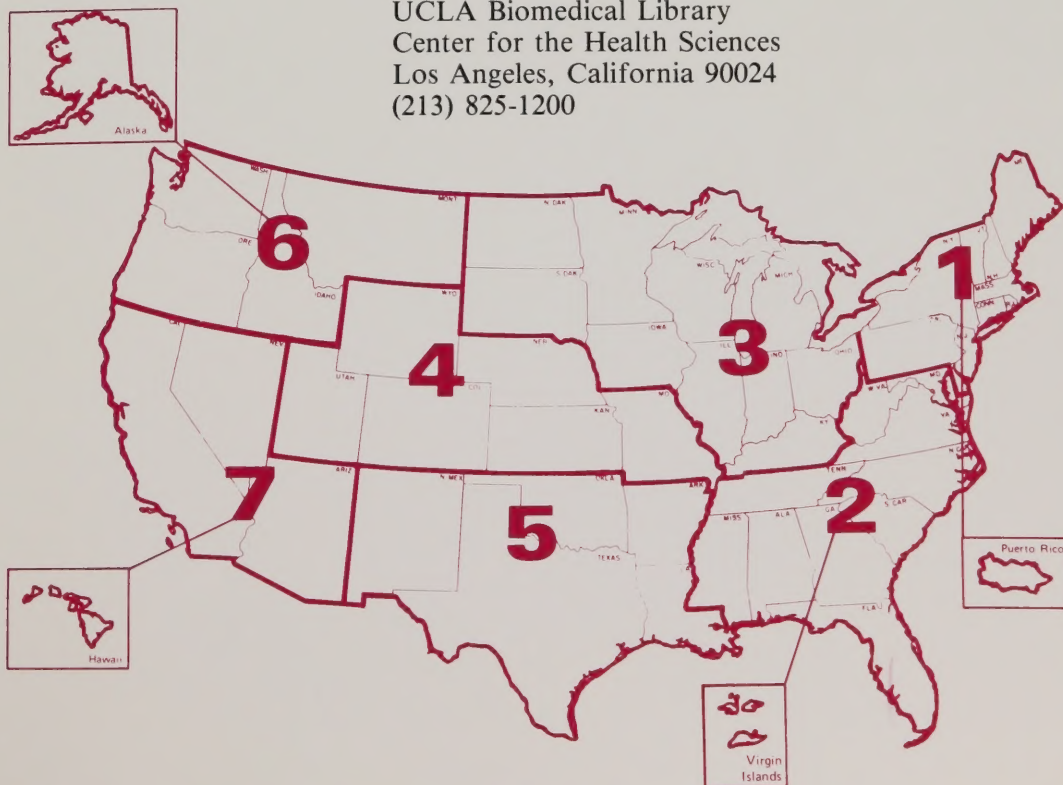
Region 3 Greater Midwest Regional Medical Library Network
University of Illinois at Chicago
Library of the Health Sciences
Health Sciences Center
P.O. Box 7509
Chicago, Illinois 60680
(312) 996-2464

Region 4 Midcontinental Regional Medical Library Program
University of Nebraska
Medical Center Library
42nd and Dewey Avenue
Omaha, Nebraska 68105-1065
(402) 559-4326

Region 5 South Central Regional Medical Library Program
The University of Texas
Health Science Center at Dallas
5323 Harry Hines Blvd.
Dallas, Texas 75235-9049
(214) 688-2085

Region 6 Pacific Northwest Regional Health Sciences Library Service
Health Sciences Library and Information Center
University of Washington
Seattle, Washington 98195
(206) 543-8262

Region 7 Pacific Southwest Regional Medical Library Service
UCLA Biomedical Library
Center for the Health Sciences
Los Angeles, California 90024
(213) 825-1200



Other NLM Programs And Services That May Be Of Interest To You:

Regional Medical Library Program

Extramural programs—Grants to support research and information services improvement

Lister Hill National Center for Biomedical Communications—Information technologies research

Specialized Information Services—Toxicology information program

Reference services

History of Medicine program

DOCLINE—Nationwide document requesting and referral network

For more information on these or other NLM programs and services contact the Office of Inquiries and Publications Management at (301) 496-6308.

For more information about the
MEDLARS Online Information
Retrieval System
please contact:

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National Library of Medicine
Bldg. 38, Rm. 4N421
8600 Rockville Pike
Bethesda, Maryland 20894

(301) 496-6193

(800) 638-8480

